

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011039.D
 Acq On : 22 Jul 2019 18:33
 Operator : JC/SP
 Sample : K3884-20DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0620DL

Manual Integrations
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 7/23/2019 11:11:39 AM

Quant Time: Jul 23 06:43:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	212433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	332115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	321781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166895	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	113310	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
35) Dibromofluoromethane	5.49	113	101090	47.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.92%	
50) Toluene-d8	8.71	98	403725	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.13	95	159335	54.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.66%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.58	56	57355	18.692	ug/l	98
39) Methylcyclohexane	7.46	83	47432	13.408	ug/l	99
52) Toluene	8.79	92	5933	1.081	ug/l	98
67) Ethyl Benzene	10.25	91	507382	45.103	ug/l	99
68) m/p-Xylenes	10.36	106	593519	137.541	ug/l	99
69) o-Xylene	10.69	106	316817	75.228	ug/l	97
73) Isopropylbenzene	11.02	105	46313	4.107	ug/l	100
78) n-propylbenzene	11.36	91	58137	4.666	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	100975	10.716	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	284351	29.939	ug/l	99
85) sec-Butylbenzene	11.94	105	5905m	0.544	ug/l	
86) p-Isopropyltoluene	12.06	119	5733	0.572	ug/l	85
89) n-Butylbenzene	12.38	91	6719	0.783	ug/l #	22
95) Naphthalene	13.83	128	126531	11.818	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

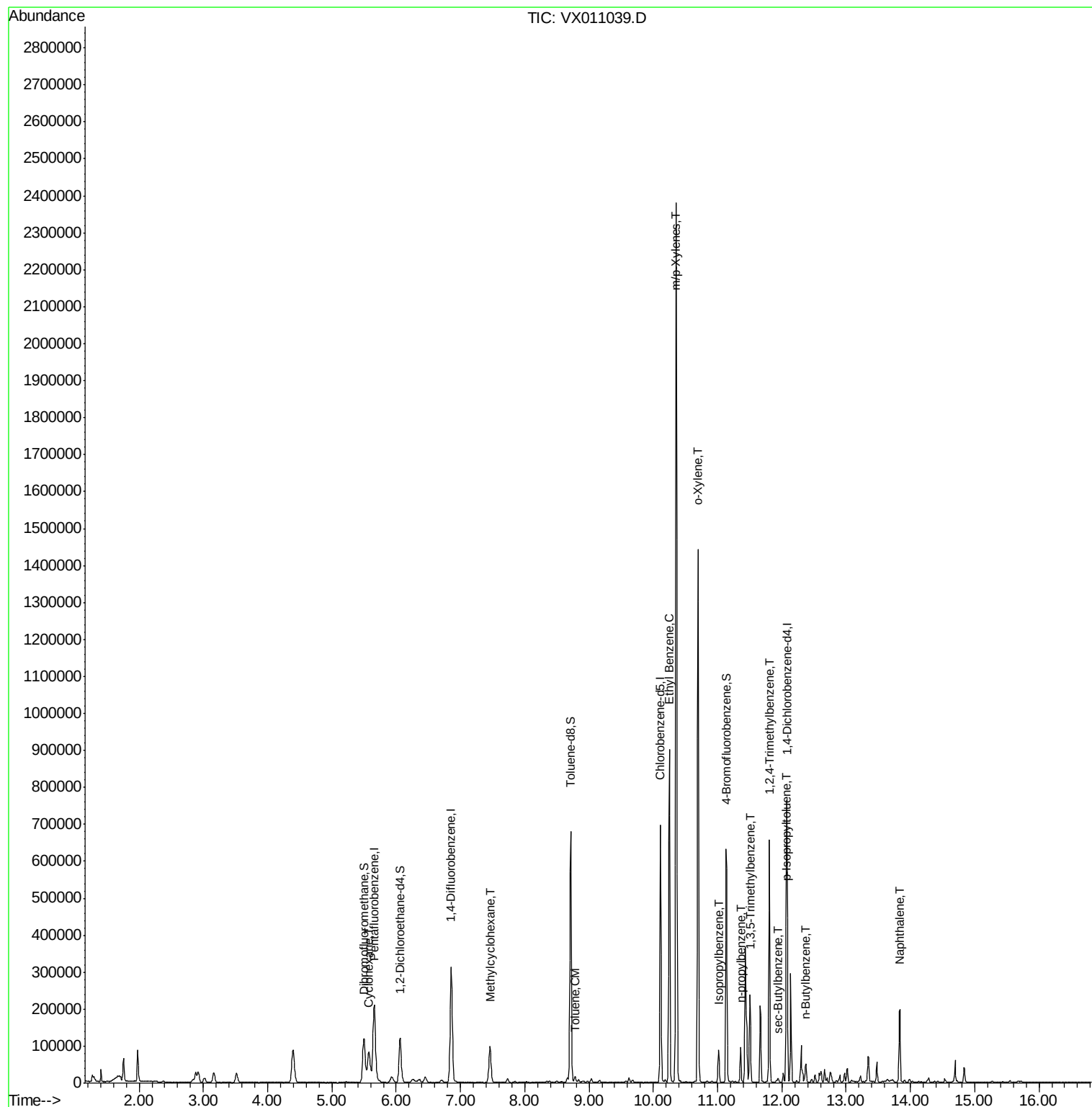
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072219\
Data File : VX011039.D
Acq On : 22 Jul 2019 18:33
Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

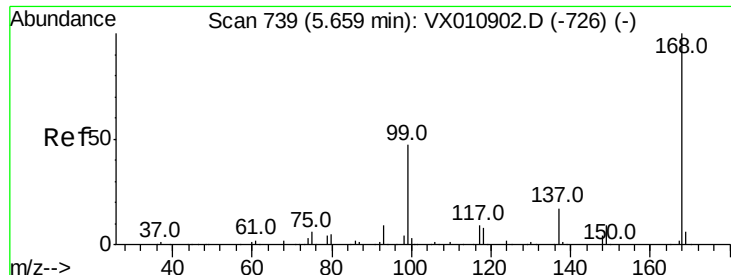
Instrument :
MSVOA_X
ClientSampleId :
FL-0620DL

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Quant Time: Jul 23 06:43:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011039.D

Acq: 22 Jul 2019 18:33

Instrument :

MSVOA_X

ClientSampled :

FL-0620DL

Tot Ion:168 Resp: 212433

Ion Ratio Lower Upper

168 100

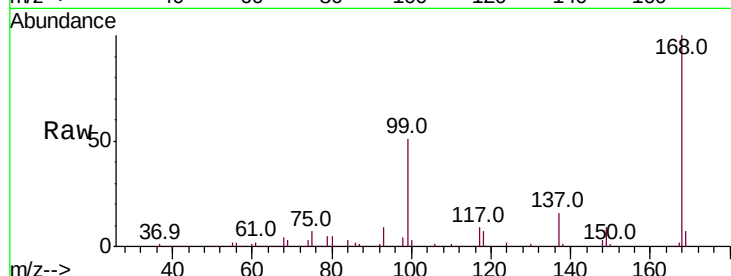
99 51.3 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

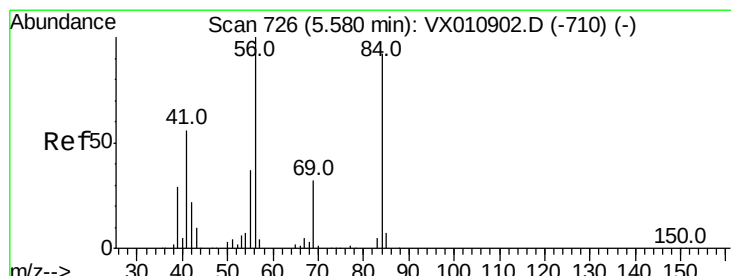
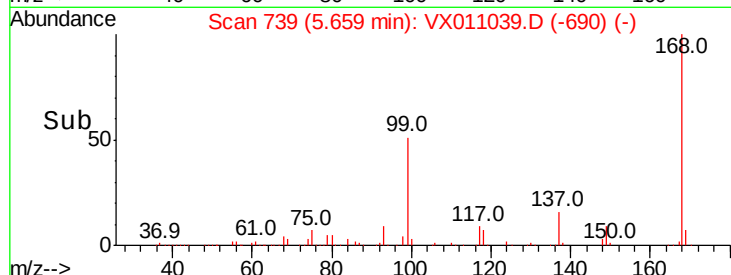
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 18.692 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011039.D

Acq: 22 Jul 2019 18:33

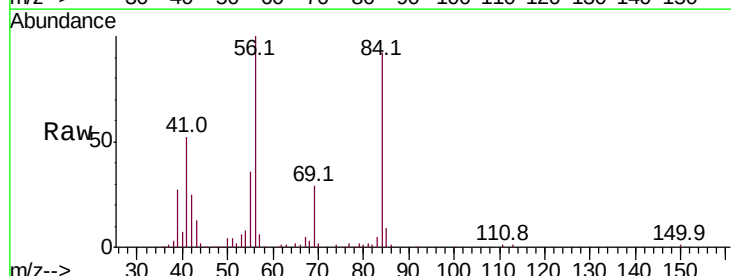
Tgt Ion: 56 Resp: 57355

Ion Ratio Lower Upper

56 100

69 29.4 25.8 38.8

84 91.6 73.8 110.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.58

25000

20000

15000

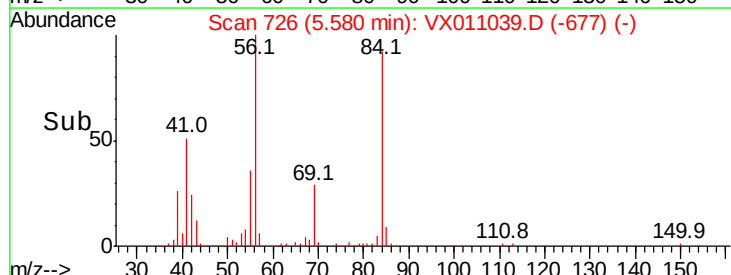
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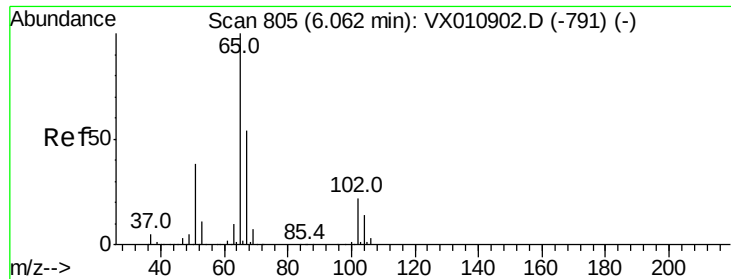
5000

0

Time-->

5.50 5.60





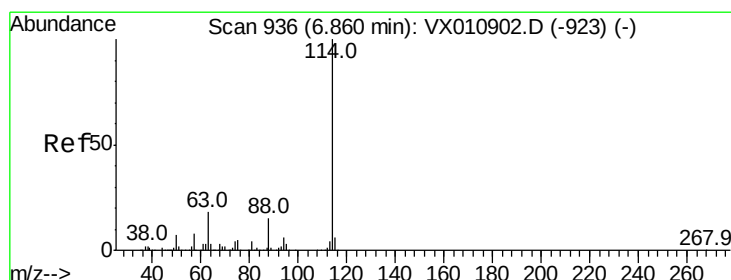
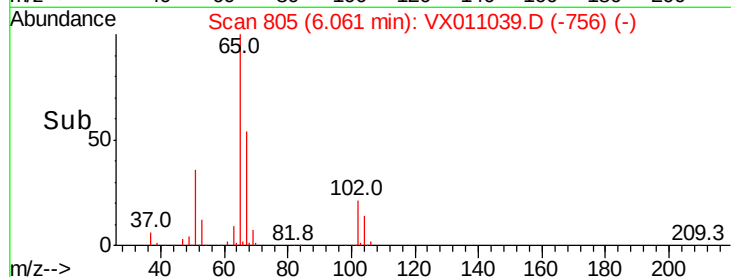
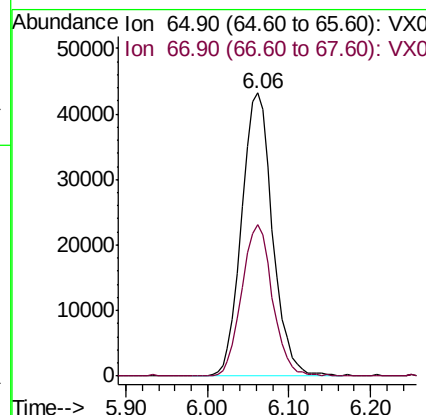
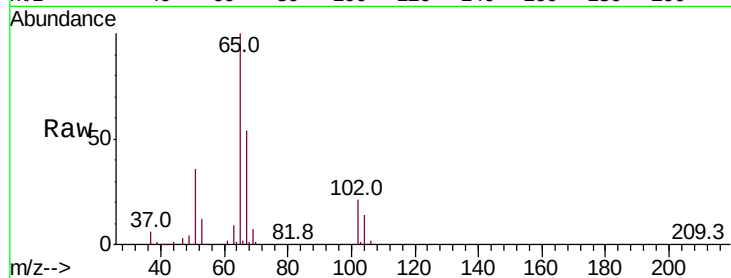
#33
 1,2-Dichloroethane-d4
 Concen: 50.138 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011039.D
 Acq: 22 Jul 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0620DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	107.8	

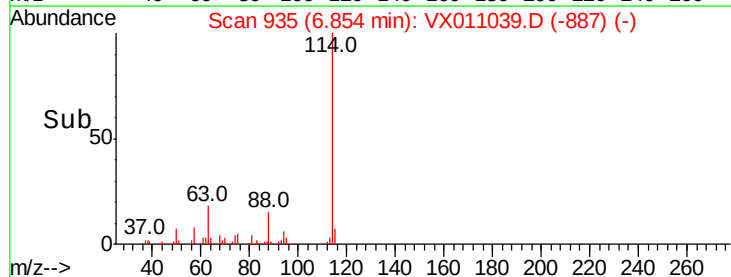
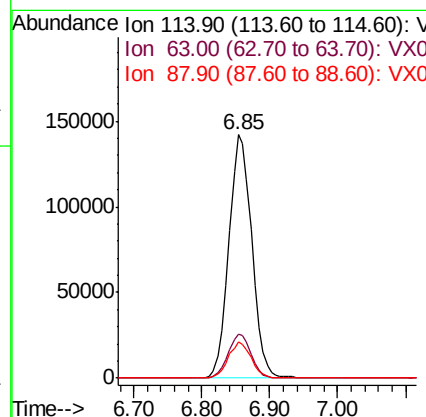
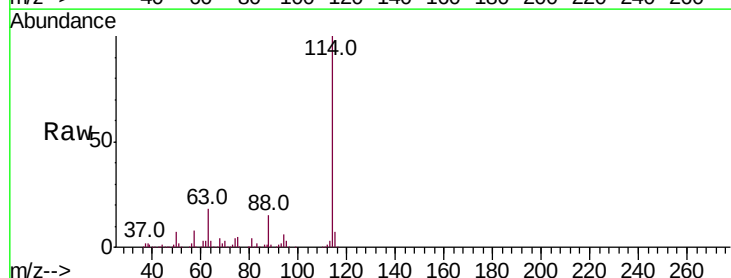
Manual Integrations
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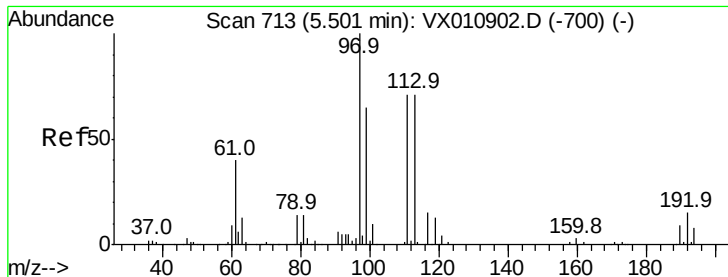
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX011039.D
 Acq: 22 Jul 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	35.6	
88	14.7	0.0	29.8	





#35

Dibromofluoromethane

Concen: 47.955 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011039.D

Acq: 22 Jul 2019 18:33

Instrument :

MSVOA_X

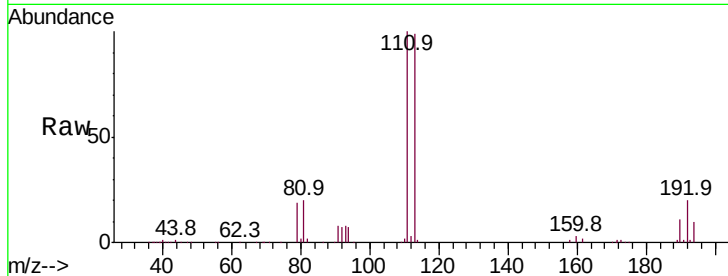
ClientSampleId :

FL-0620DL

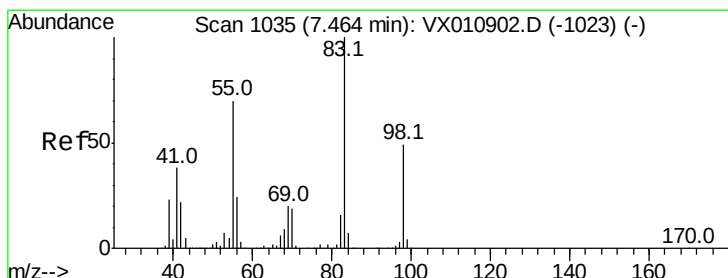
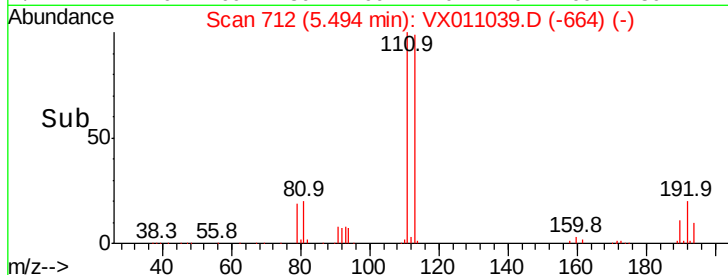
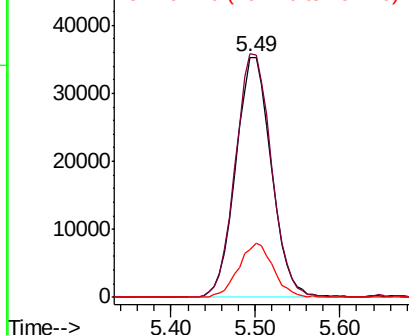
Tot Ion:	113	Resp:	101090
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.3	123.5
192	21.9	17.4	26.2

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 13.408 ug/l

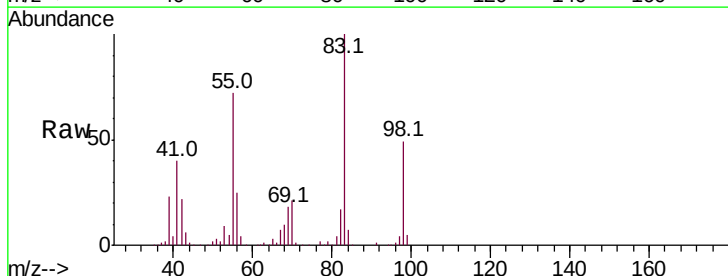
RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

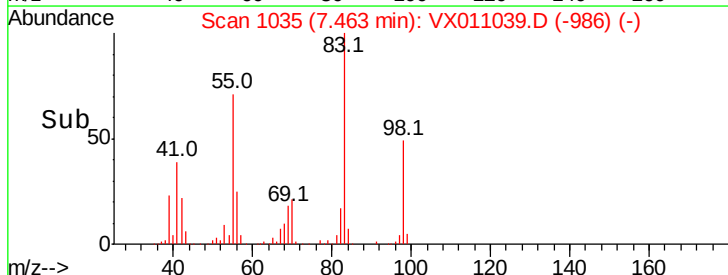
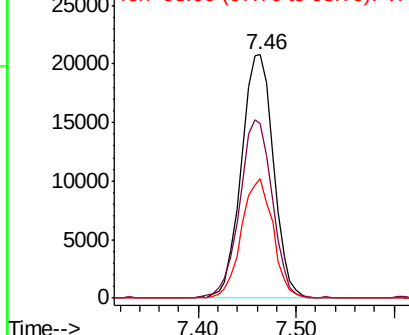
Lab File: VX011039.D

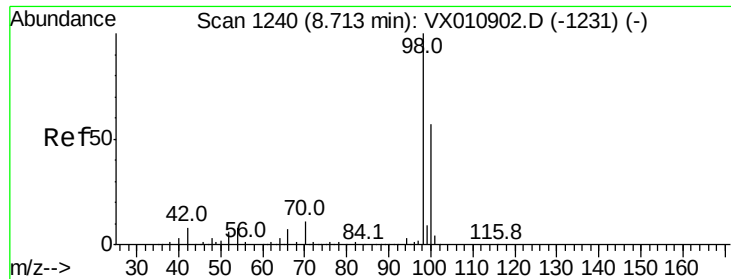
Acq: 22 Jul 2019 18:33

Tgt Ion:	83	Resp:	47432
Ion Ratio	Lower	Upper	
83	100		
55	71.8	56.2	84.4
98	49.1	39.0	58.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





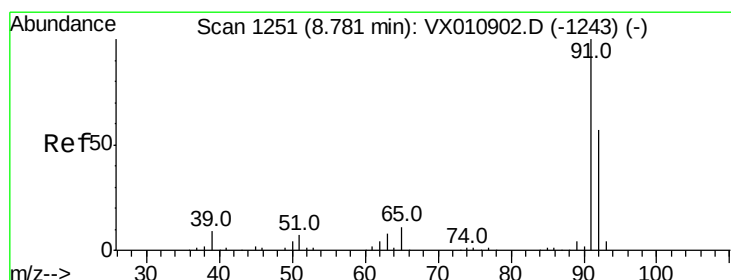
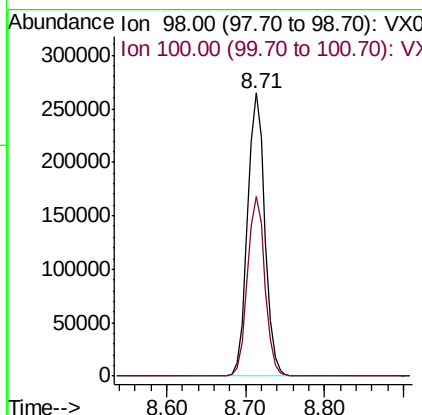
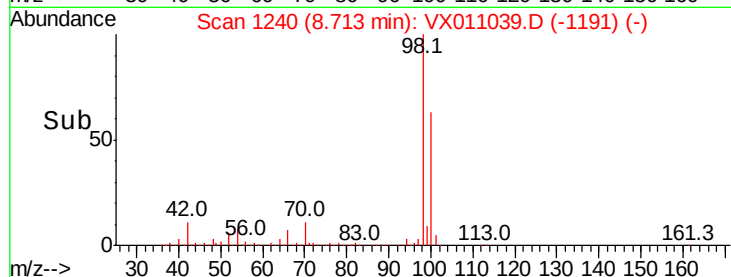
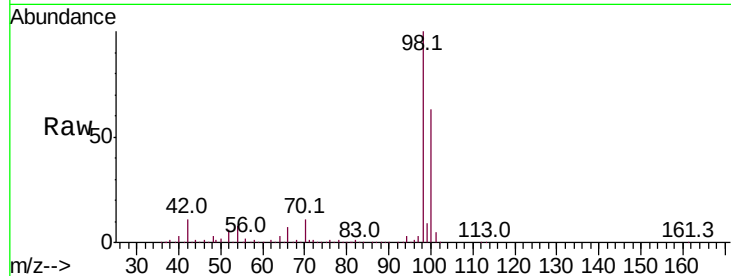
#50
Toluene-d8
Concen: 51.063 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011039.D
Acq: 22 Jul 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
FL-0620DL

Tot Ion: 98 Resp: 403725
Ion Ratio Lower Upper
98 100
100 63.8 50.6 75.8

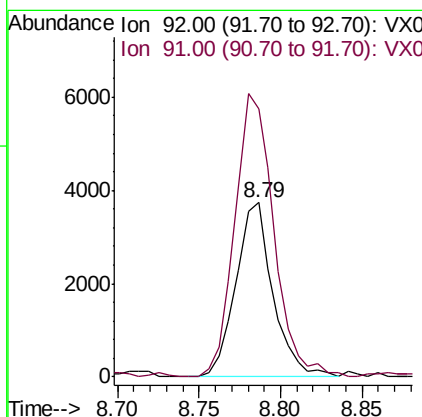
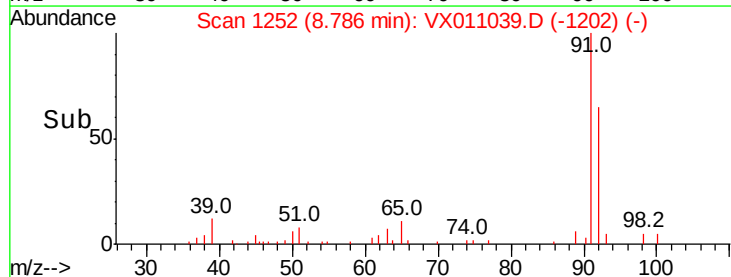
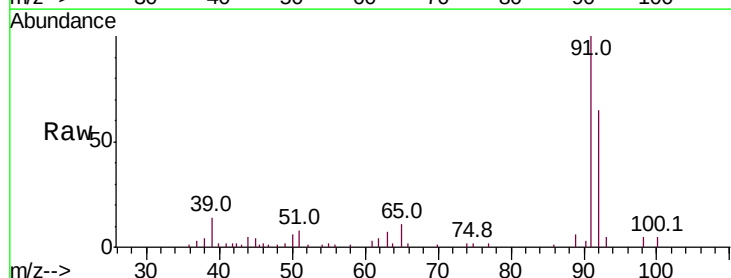
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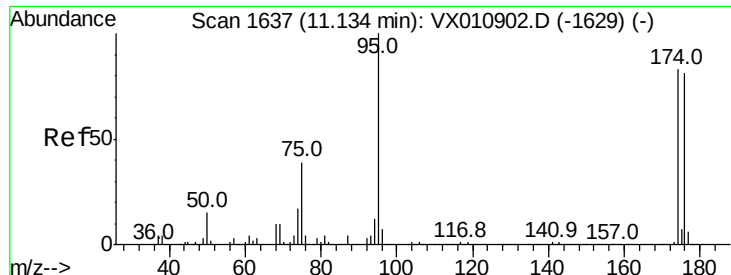
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#52
Toluene
Concen: 1.081 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX011039.D
Acq: 22 Jul 2019 18:33

Tgt Ion: 92 Resp: 5933
Ion Ratio Lower Upper
92 100
91 170.7 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 54.827 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011039.D

Acq: 22 Jul 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

FL-0620DL

Tot Ion: 95 Resp: 159335

Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.6

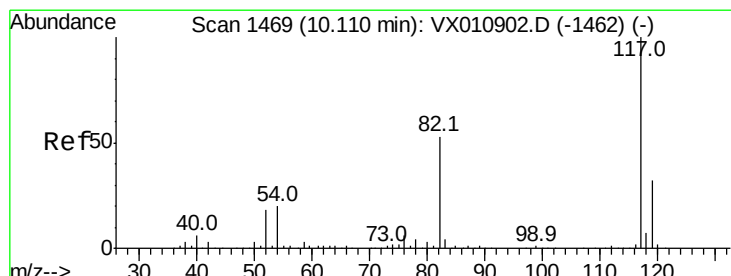
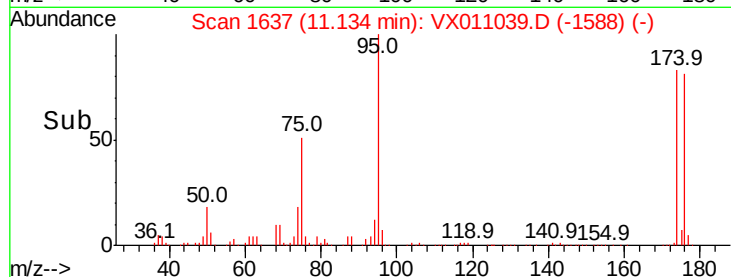
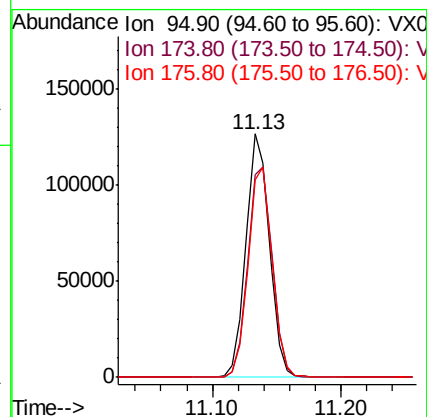
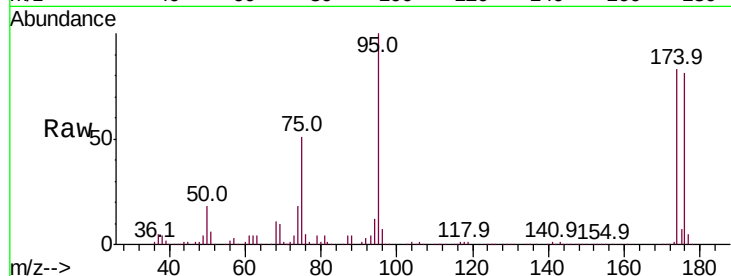
176 87.4 0.0 173.8

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011039.D

Acq: 22 Jul 2019 18:33

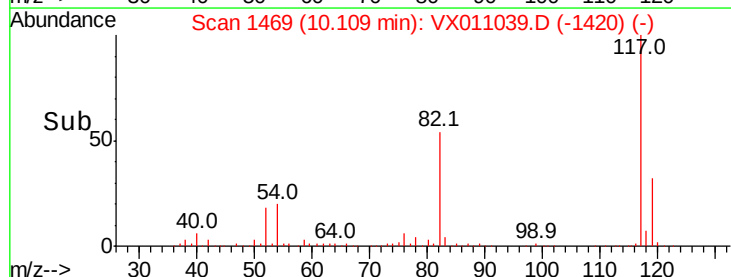
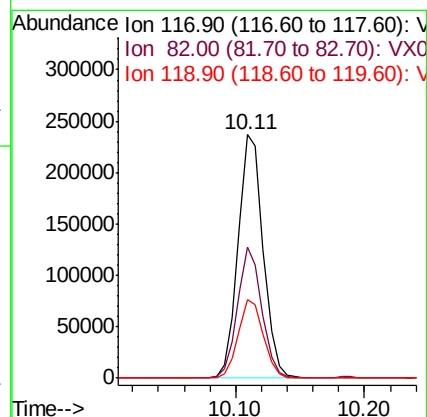
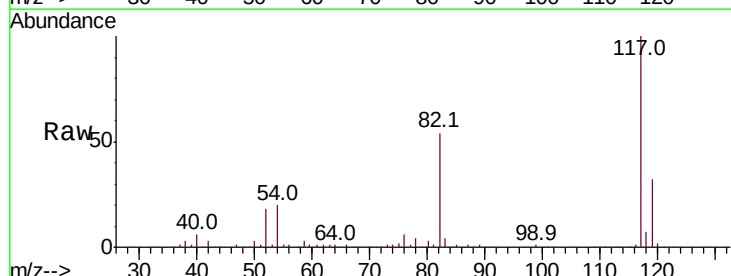
Tgt Ion: 117 Resp: 321781

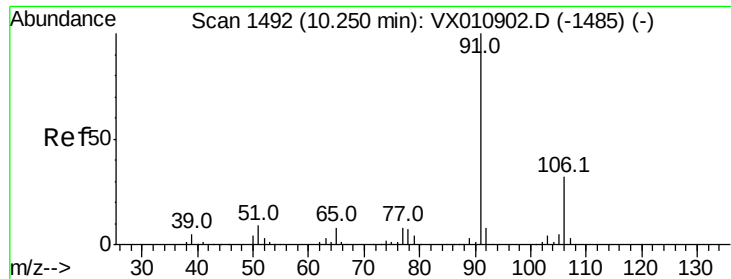
Ion Ratio Lower Upper

117 100

82 53.6 42.6 63.8

119 32.2 25.9 38.9





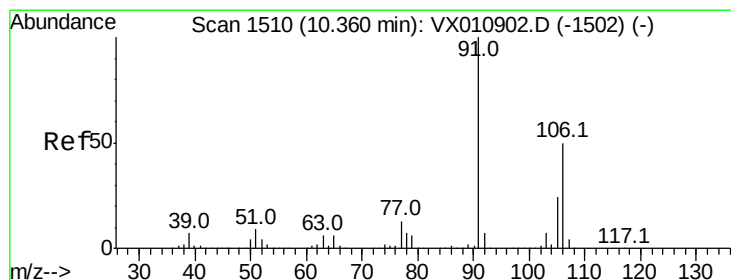
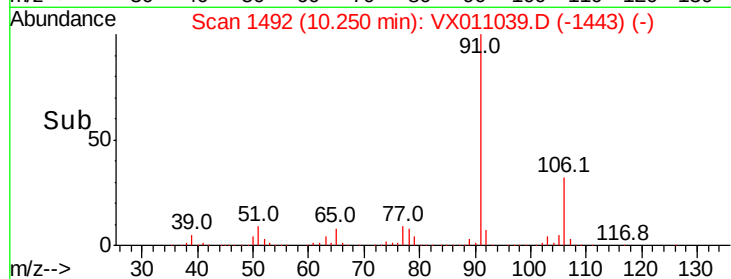
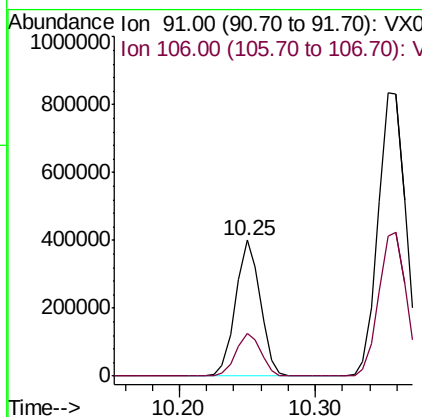
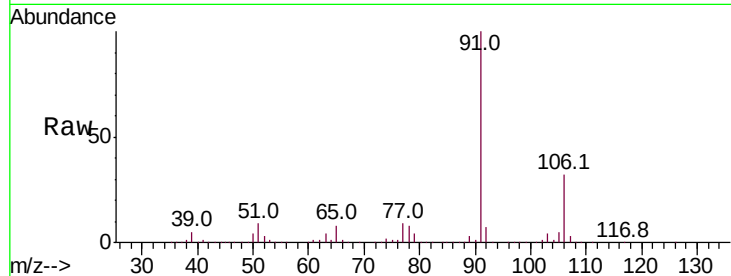
#67
Ethyl Benzene
Concen: 45.103 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011039.D
Acq: 22 Jul 2019 18:33

Instrument :
MSVOA_X
ClientSampled :
FL-0620DL

Tot Ion: 91 Resp: 507382
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

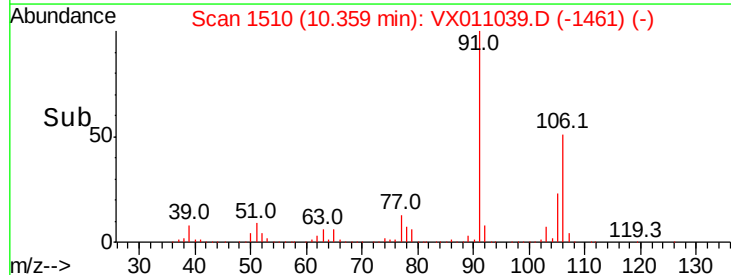
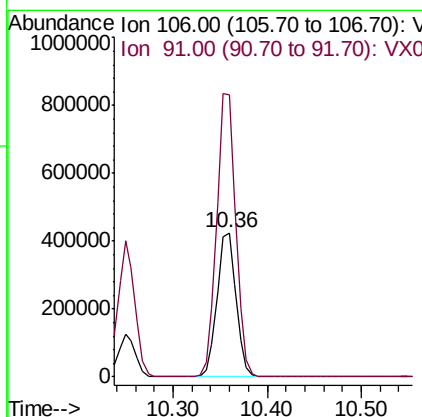
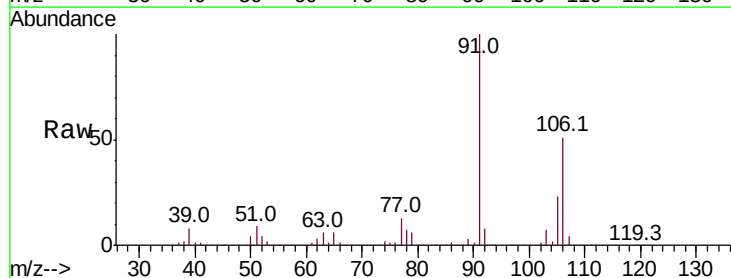
Manual Integrations
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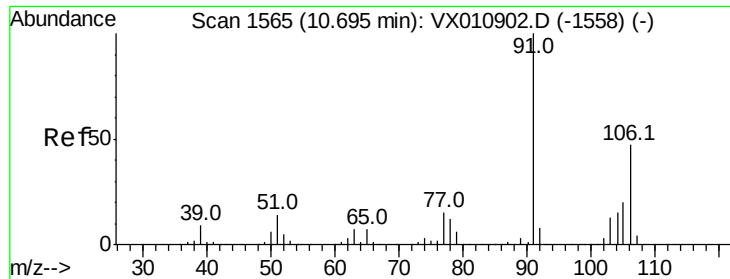
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#68
m/p-Xylenes
Concen: 137.541 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011039.D
Acq: 22 Jul 2019 18:33

Tgt Ion: 106 Resp: 593519
Ion Ratio Lower Upper
106 100
91 198.4 160.1 240.1





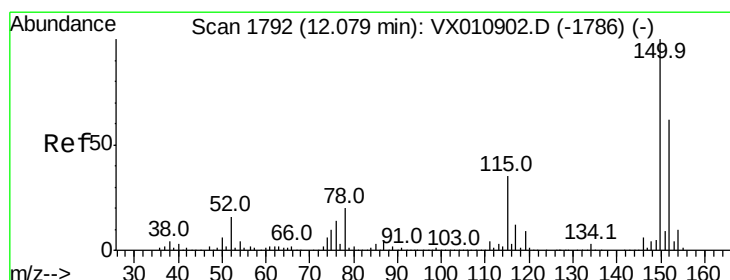
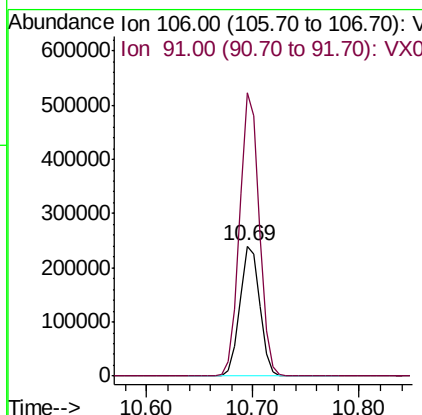
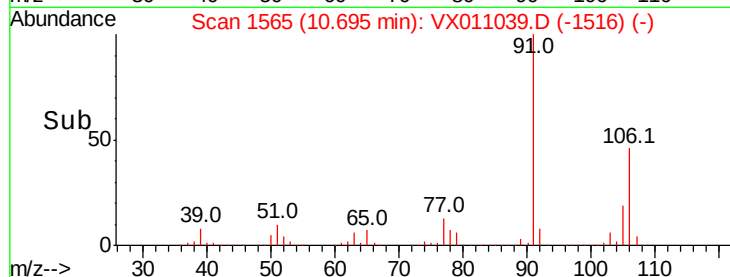
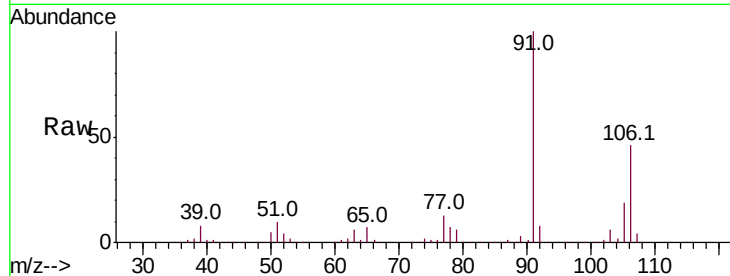
#69
o-Xylene
Concen: 75.228 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011039.D
Acq: 22 Jul 2019 18:33

Instrument :
MSVOA_X
ClientSampled :
FL-0620DL

Tot Ion:106 Resp: 316817
Ion Ratio Lower Upper
106 100
91 214.3 105.1 315.3

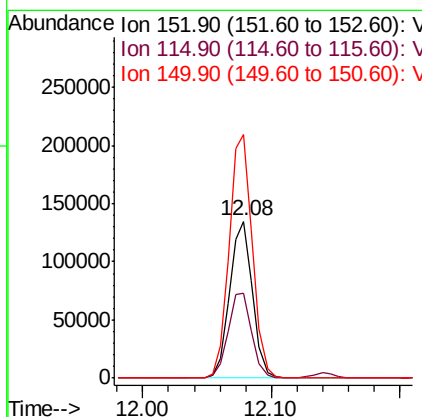
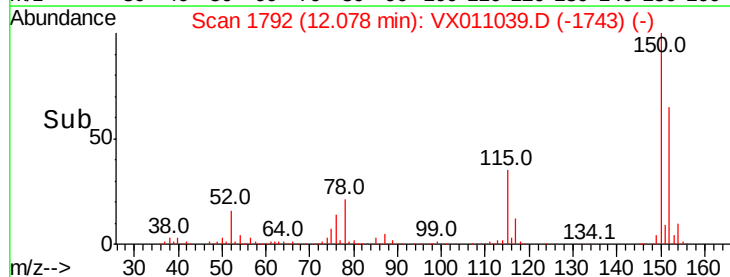
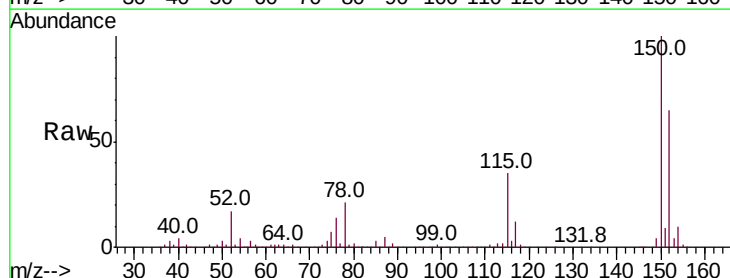
Manual Integrations
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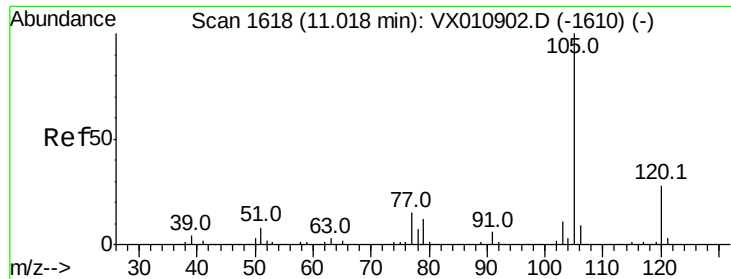
MMDadoda
7/23/2019 11:11:39 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011039.D
Acq: 22 Jul 2019 18:33

Tgt Ion:152 Resp: 166895
Ion Ratio Lower Upper
152 100
115 56.2 39.7 119.1
150 158.0 0.0 345.6





#73

Isopropylbenzene

Concen: 4.107 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011039.D

Acq: 22 Jul 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

FL-0620DL

Tot Ion: 105 Resp: 46313

Ion Ratio Lower Upper

105 100

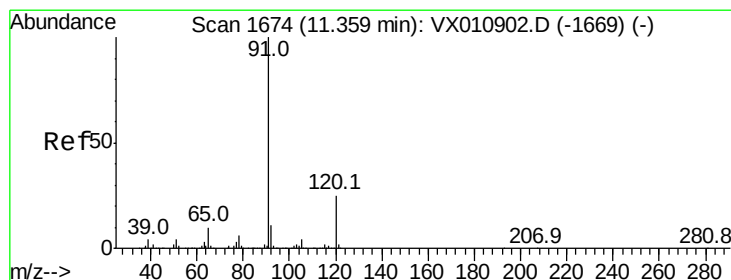
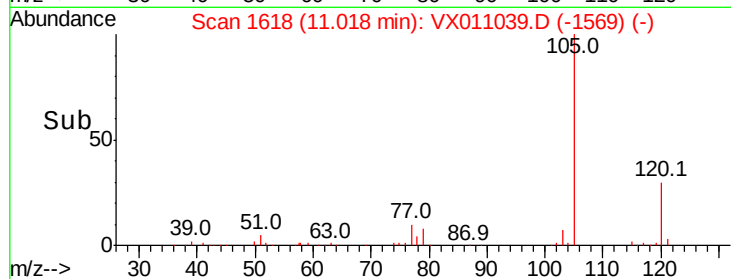
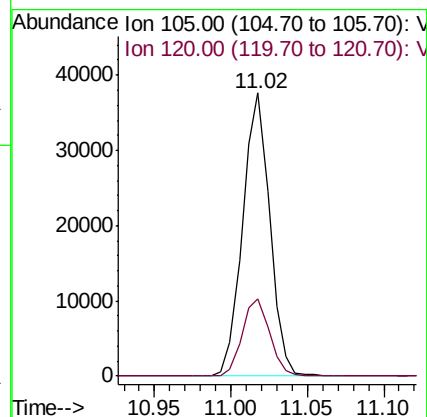
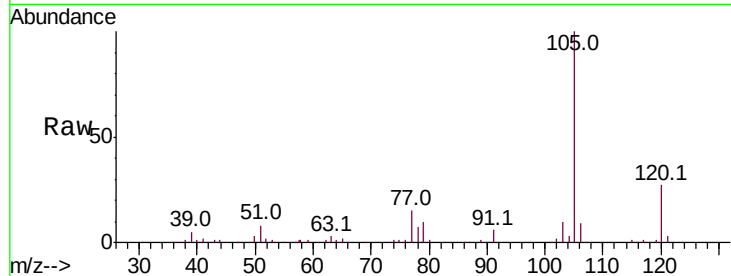
120 27.4 13.7 41.1

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#78

n-propylbenzene

Concen: 4.666 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011039.D

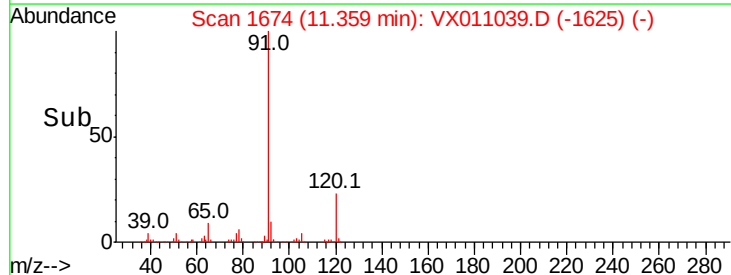
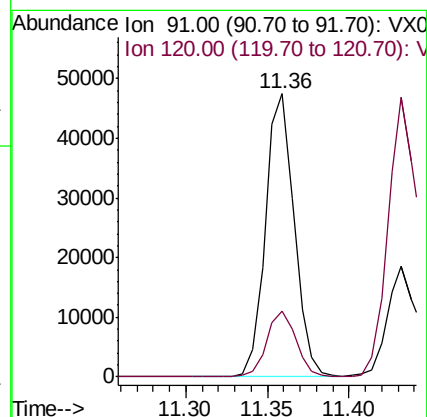
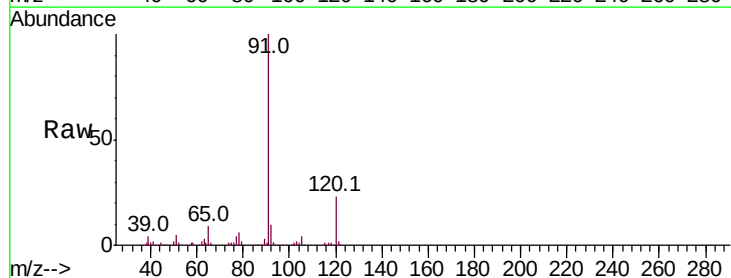
Acq: 22 Jul 2019 18:33

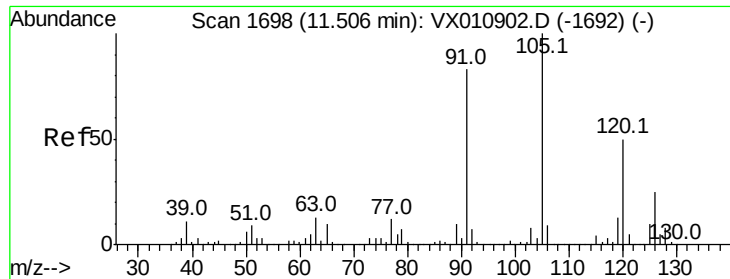
Tgt Ion: 91 Resp: 58137

Ion Ratio Lower Upper

91 100

120 23.8 12.3 36.8





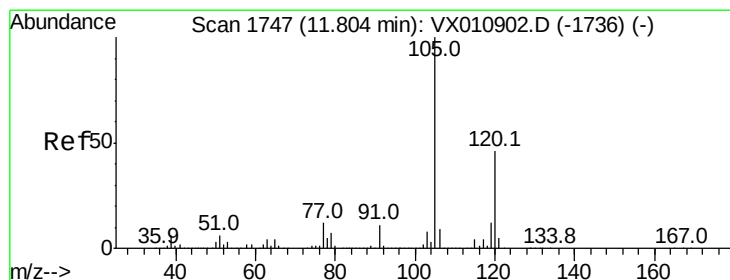
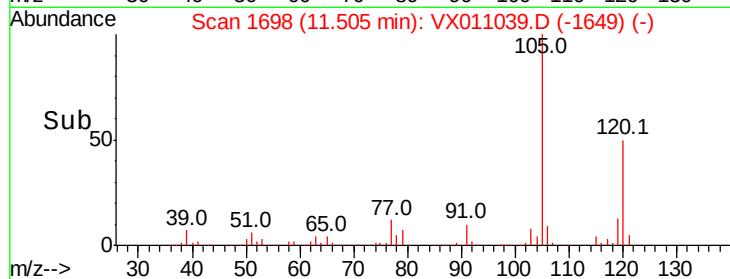
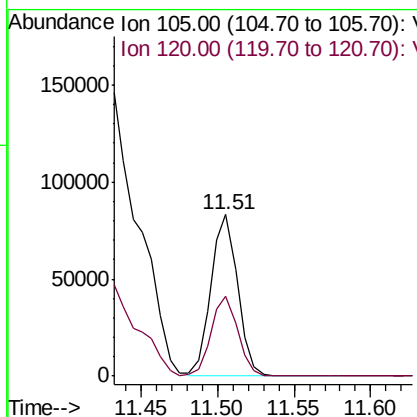
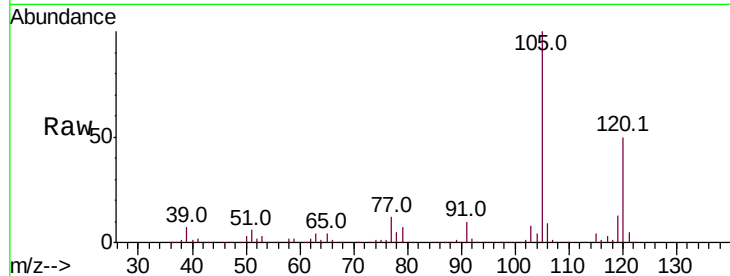
#80
 1,3,5-Trimethylbenzene
 Concen: 10.716 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011039.D
 Acq: 22 Jul 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0620DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.9	24.6	73.8

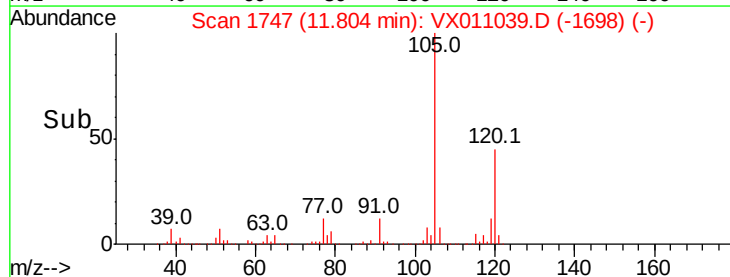
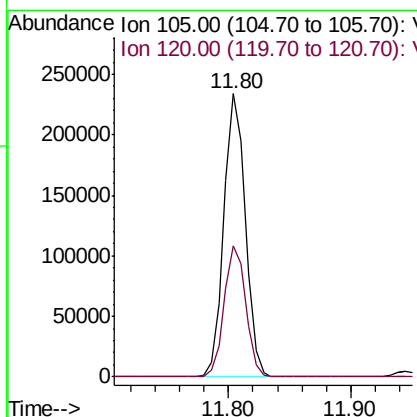
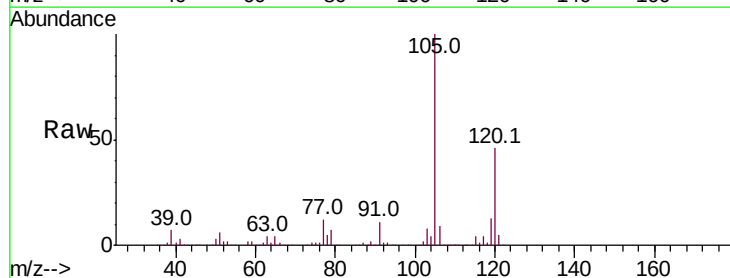
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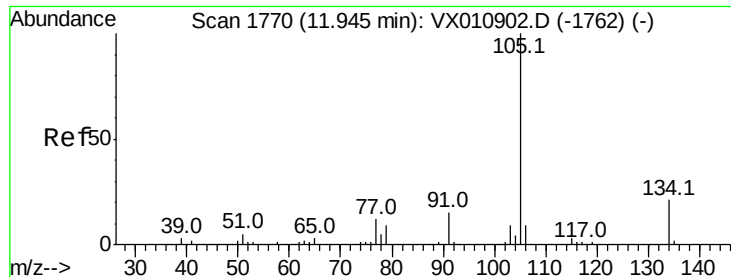
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#84
 1,2,4-Trimethylbenzene
 Concen: 29.939 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011039.D
 Acq: 22 Jul 2019 18:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.9	68.5





#85

sec-Butylbenzene

Concen: 0.544 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011039.D

Acq: 22 Jul 2019 18:33

Instrument :

MSVOA_X

ClientSampled :

FL-0620DL

Tot Ion:105 Resp: 5905

Ion Ratio Lower Upper

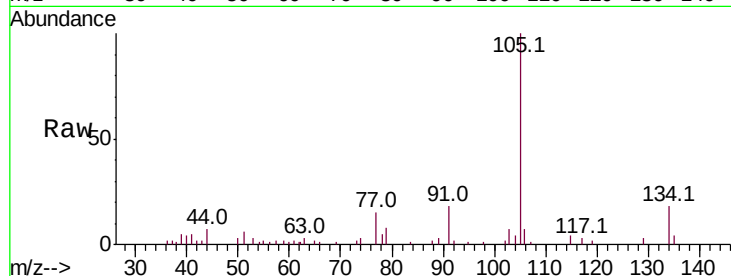
105 100

134 0.0 10.4 31.4#

Manual Integrations
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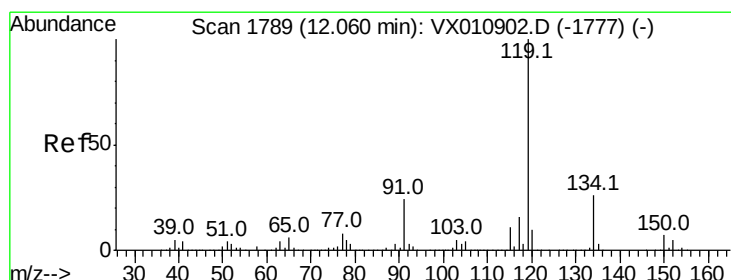
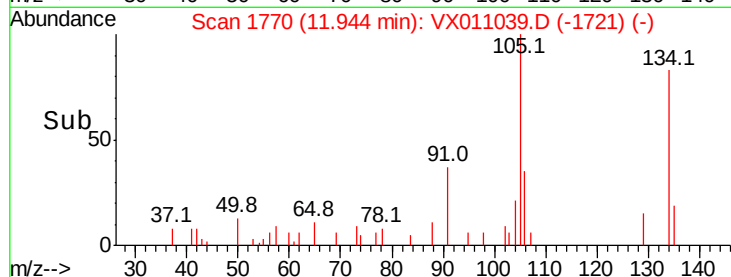
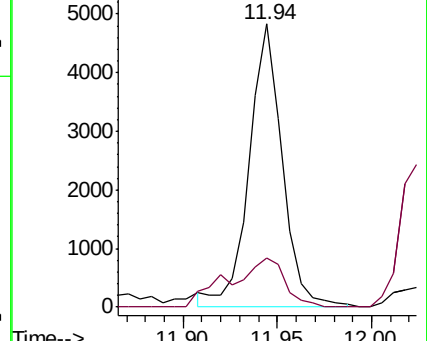
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.572 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011039.D

Acq: 22 Jul 2019 18:33

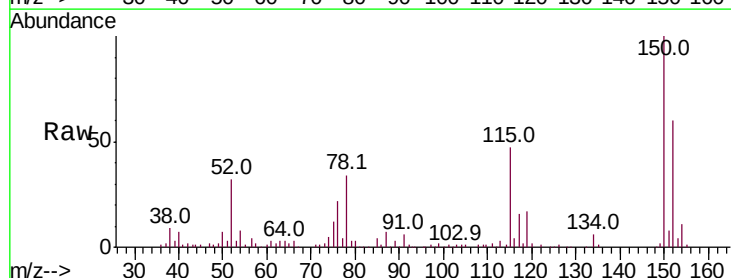
Tgt Ion:119 Resp: 5733

Ion Ratio Lower Upper

119 100

134 31.0 13.4 40.1

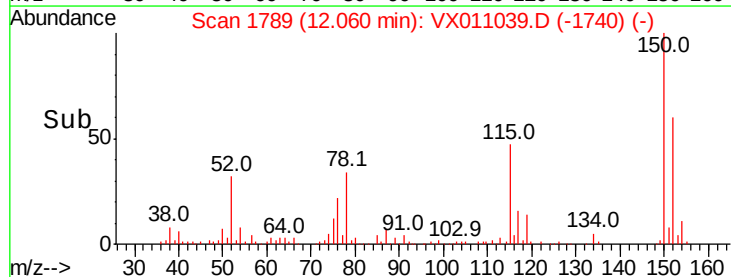
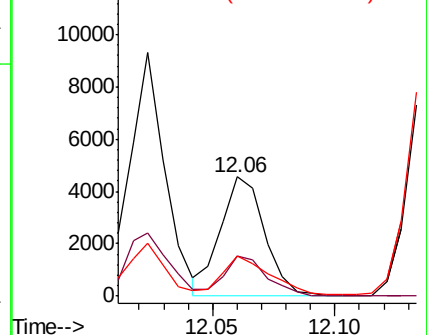
91 34.5 11.8 35.4

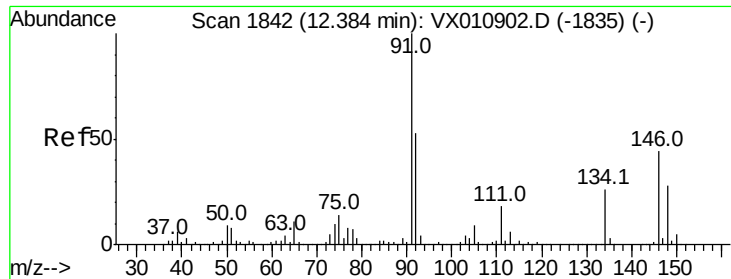


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





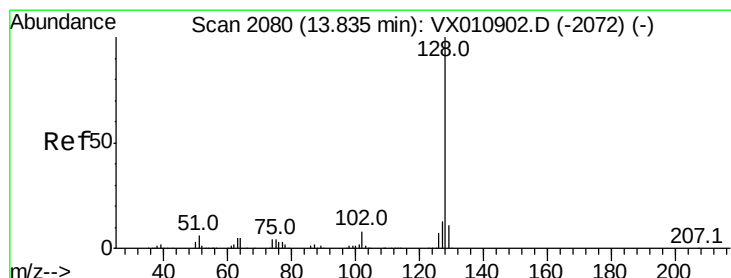
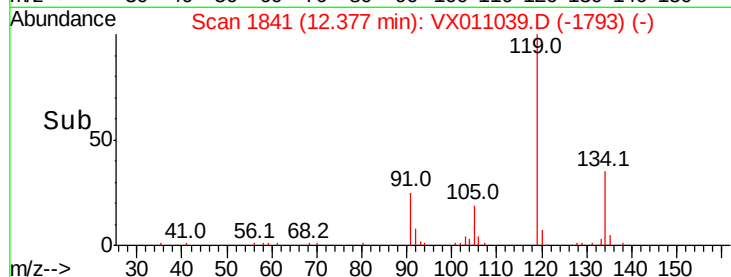
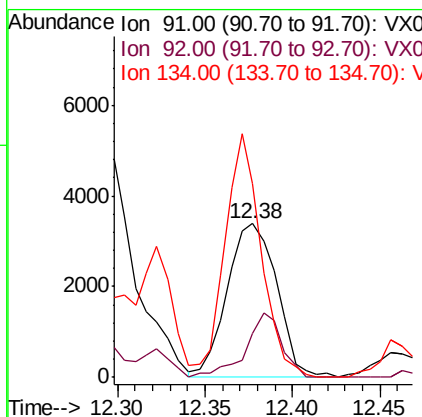
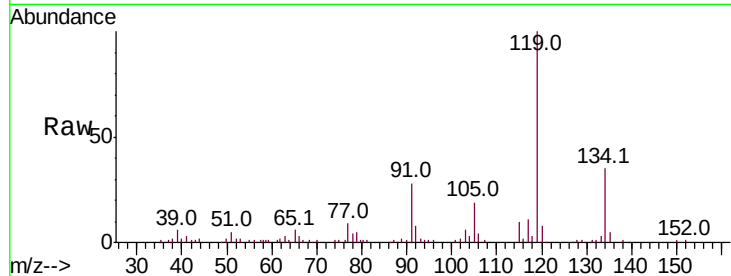
#89
n-Butylbenzene
Concen: 0.783 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX011039.D
Acq: 22 Jul 2019 18:33

Instrument :
MSVOA_X
ClientSampled :
FL-0620DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	30.3	26.2	78.5
134	115.4	13.8	41.3#

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#95
Naphthalene
Concen: 11.818 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011039.D
Acq: 22 Jul 2019 18:33

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.4	8.9	13.3

